

Observations of Comet a 1896 (Perrine-Lamp) made at the Royal Observatory, Greenwich.

(Communicated by the Astronomer Royal.)

The observations were made with the Sheepshanks Equatorial, aperture 6·7 inches, by taking transits over two cross-wires at right angles to each other, and each inclined 45° to the parallel of declination. Magnifying power, 55.

Greenwich Mean Solar Time.		Observer.	♄ — ★ R.A.		Corr. for Refraction.	Log Factor of Parallax.		♄ — ★ N.P.D.	Corr. for Refraction.	Log Factor of Parallax.		No. of Comps.	Appt. R.A.			Appt. N.P.D.			Comp. Star.
1896.	d h m s		m	s		s							h	m	s	°	'	"	
Mar.	12 11 9 24	H.	+ 1	43·28	0·00		9·7094	+ 4	0·8	+ 0·2	0·7904	4	3	1	44·35	41	25	32·1	a
	12 11 9 24	"	— 1	40·67	— 0·01		9·7094	+ 8	27·7	+ 0·4	0·7904	4	...	...	...	...	...	...	b
	12 11 33 46	"	— 3	55·29	— 0·01		9·6867	+ 3	30·0	+ 0·2	0·8180	2	3	1	53·26	41	26	7·9	c
	22 8 1 58	B.	— 0	55·76	0·00		9·6684	— 4	54·1	0·0	0·5007	3	...	...	...	...	...	...	d
	22 8 2 37	"	— 1	55·85	0·00		9·6690	+ 0	54·1	0·0	0·5021	4	3	49	39·99	45	9	0·4	e
	23 8 42 25	"	+ 0	21·04	— 0·01		9·6960	— 5	35·1	0·0	0·5855	5	3	52	56·54	45	27	8·4	f
	23 9 5 1	"	+ 0	24·24	0·00		9·7063	+ 3	44·2	0·0	0·6262	4	3	52	59·44	45	27	20·2	g
Apr.	1 8 55 5	A. C.	— 1	55·00	0·00		9·6923	— 2	10·5	0·0	0·6509	2	4	15	11·09	47	32	5·2	h
	1 8 55 19	"	— 2	8·77	0·00		9·6922	+ 1	14·8	0·0	0·6513	6	4	15	12·04	47	32	15·4	k

Notes.

The observations are corrected for refraction but not for parallax. They are also corrected for the error of inclination of the wires and for the motion of the comet.
March 12.—Observations rather uncertain. Comet getting low (zenith distance 68°), and much fainter.
March 22.—Comet extremely faint. Bright moonlight. Observations difficult and uncertain.
March 23.—Bright moonlight. Comet still fainter than on previous day. Only seen by glimpses.
April 1.—Comet still easily visible, but rather ill-defined.

The initials H., A C, B., are those of Mr. Hollis, Mr. Crommelin, and Mr. Bryant respectively.

Comparison Stars.

Star's Name.	Assumed R.A. 1896 ^o .			Assumed N.P.D. 1896 ^o .			Authority.
	h	m	s	°	'	"	
<i>a</i> BD + 48°, No. 849	3	0	1.19	41	21	48.2	Bonn Astr. Gesell. Catalogue.
<i>b</i> BD + 48°, No. 857	3	3	25	41	17		Bonn Observations, vol. v.
<i>c</i> Lalande 5851	3	5	48.62	41	22	55.1	Bonn Astr. Gesell. Catalogue, Paris Catalogue 1875, and Annual Catalogue 1882.
<i>d</i> BD + 44°, No. 819	3	50	36	45	14		Bonn Observations, vol. v.
<i>e</i> BD + 44°, No. 822	3	51	35.56	45	8	22.8	Bonn Astr. Gesell. Catalogue.
<i>f</i> BD + 44°, No. 828	3	52	35.23	45	32	59.7	"
<i>g</i> BD + 44°, No. 827	3	52	34.93	45	23	52.3	"
<i>h</i> BD + 42°, No. 952	4	17	5.72	47	34	30.9	"
<i>k</i> BD + 42°, No. 954	4	17	20.44	47	31	15.8	"

Lalande 5851.—The R.A. of this star, in Paris Annual Catalogue for 1882, has been increased by 0^s.80 in accordance with a communication from M. Tisserand.

Royal Observatory, Greenwich:
1896 April 9.

Ephemeris for Physical Observations

Greenwich Noon.	P.	L-O.	B.	A-L.	B.	Q.	E.
1896.							
May 20	332°98	95°542	-24°88	-42°90	-20°52	245°62	39°66
22	332°25	97°188	24°77	43°24	20°84	245°64	39°90
24	331°54	98°827	24°64	43°57	21°15	245°67	40°13
26	330°86	100°460	24°49	43°88	21°45	245°71	40°36
28	330°19	102°086	24°32	44°18	21°74	245°77	40°58
30	329°54	103°704	-24°14	-44°47	-22°03	245°84	40°80
June 1	328°92	105°313	23°94	44°74	22°30	245°93	41°01
3	328°32	106°914	23°72	45°00	22°56	246°03	41°22
5	327°74	108°507	23°49	45°25	22°81	246°15	41°43
7	327°19	110°090	23°24	45°48	23°04	246°28	41°64
9	326°66	111°662	-22°97	-45°69	-23°27	246°43	41°84
11	326°15	113°223	22°69	45°89	23°49	246°59	42°04
13	325°67	114°773	22°40	46°07	23°69	246°76	42°23
15	325°21	116°311	22°09	46°24	23°88	246°94	42°42
17	324°78	117°838	21°77	46°39	24°06	247°14	42°60
19	324°37	119°353	-21°44	-46°52	-24°22	247°35	42°78
21	323°99	120°856	21°09	46°64	24°37	247°58	42°95
23	323°63	122°346	20°73	46°75	24°51	247°82	43°12
25	323°30	123°823	20°36	46°84	24°64	248°06	43°28
27	323°00	124°288	19°98	49°92	24°76	248°32	43°44
29	322°72	126°740	-19°58	-46°98	-24°86	248°59	43°60
July 1	322°47	128°179	19°17	47°03	24°95	248°88	43°75
3	322°24	129°605	18°76	47°06	25°03	249°17	43°90
5	322°03	131°018	18°34	47°08	25°09	249°48	44°04
7	321°85	132°417	17°91	47°08	25°14	249°79	44°18
9	321°70	133°803	-17°47	-47°08	-25°18	250°12	44°31
11	321°57	135°175	17°03	47°06	25°20	250°46	44°43
13	321°46	136°533	16°58	47°03	25°21	250°81	44°55
15	321°38	137°877	16°12	46°98	25°21	251°16	44°66
17	321°32	139°207	15°65	46°92	25°20	251°53	44°77
19	321°29	140°523	-15°18	-46°86	-25°17	251°90	44°87
21	321°28	141°825	14°71	46°78	25°13	252°28	44°96
23	321°29	143°114	14°23	46°69	25°07	252°67	45°05